

SEQUENCE LISTING

<110> The Government of the United States of America as
represented by the Secretary of the Department of Health and
Human Services
Bera, Tapan K.
Pastan, Ira H.
Lee, Byungkook

<120> GENE EXPRESSED IN PROSTATE CANCER AND METHODS OF USE

<130> 4239-68223

<150> 60/461,399

<151> 2003-04-08

<160> 12

<170> PatentIn version 3.2

<210> 1

<211> 933

<212> PRT

<213> Artificial Sequence

<220>

<223> Splice Variant-Novel Gene Expressed in Prostate

<400> 1

Met Arg Met Ala Ala Thr Ala Trp Ala Gly Leu Gln Gly Pro Pro Leu
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Pro Thr Leu Cys Pro Ala Val Arg Thr Gly Leu Tyr Cys Arg Asp Gln
20 25 30

Ala His Ala Glu Arg Trp Ala Met Thr Ser Glu Thr Ser Ser Gly Ser
35 40 45

His Cys Ala Arg Ser Arg Met Leu Arg Arg Arg Ala Gln Glu Glu Asp
50 55 60

Ser Thr Val Leu Ile Asp Val Ser Pro Pro Glu Ala Glu Lys Arg Gly
65 70 75 80

Ser Tyr Gly Ser Thr Ala His Ala Ser Glu Pro Gly Gly Gln Gln Ala
85 90 95

Ala Ala Cys Arg Ala Gly Ser Pro Ala Lys Pro Arg Ile Ala Asp Phe
100 105 110

Val Leu Val Trp Glu Glu Asp Leu Lys Leu Asp Arg Gln Gln Asp Ser
115 120 125

Ala Ala Arg Asp Arg Thr Asp Met His Arg Thr Trp Arg Glu Thr Phe
 130 135 140

Leu Asp Asn Leu Arg Ala Ala Gly Leu Cys Val Asp Gln Gln Asp Val
 145 150 155 160

Gln Asp Gly Asn Thr Thr Val His Tyr Ala Leu Leu Ser Ala Ser Trp
 165 170 175

Ala Val Leu Cys Tyr Tyr Ala Glu Asp Leu Arg Leu Lys Leu Pro Leu
 180 185 190

Gln Glu Leu Pro Asn Gln Ala Ser Asn Trp Ser Ala Gly Leu Leu Ala
 195 200 205

Trp Leu Gly Ile Pro Asn Val Leu Leu Glu Val Val Pro Asp Val Pro
 210 215 220

Pro Glu Tyr Tyr Ser Cys Arg Phe Arg Val Asn Lys Leu Pro Arg Phe
 225 230 235 240

Leu Gly Ser Asp Asn Gln Asp Thr Phe Phe Thr Ser Thr Lys Arg His
 245 250 255

Gln Ile Leu Phe Glu Ile Leu Ala Lys Thr Pro Tyr Gly His Glu Lys
 260 265 270

Lys Asn Leu Leu Gly Ile His Gln Leu Leu Ala Glu Gly Val Leu Ser
 275 280 285

Ala Ala Phe Pro Leu His Asp Gly Pro Phe Lys Thr Pro Pro Glu Gly
 290 295 300

Pro Gln Ala Pro Arg Leu Asn Gln Arg Gln Val Leu Phe Gln His Trp
 305 310 315 320

Ala Arg Trp Gly Lys Trp Asn Lys Tyr Gln Pro Leu Asp His Val Arg
 325 330 335

Arg Tyr Phe Gly Glu Lys Val Ala Leu Tyr Phe Ala Trp Leu Gly Phe
 340 345 350

Tyr Thr Gly Trp Leu Leu Pro Ala Ala Val Val Gly Thr Leu Val Phe
 355 360 365

Leu Val Gly Cys Phe Leu Val Phe Ser Asp Ile Pro Thr Gln Glu Leu
 370 375 380

Cys Gly Ser Lys Asp Ser Phe Glu Met Cys Pro Leu Cys Leu Asp Cys
 385 390 395 400

Pro Phe Trp Leu Leu Ser Ser Ala Cys Ala Leu Ala Gln Ala Gly Arg
 405 410 415

Leu Phe Asp His Gly Gly Thr Val Phe Phe Ser Leu Phe Met Ala Leu
 420 425 430

Trp Ala Val Leu Leu Leu Glu Tyr Trp Lys Arg Lys Ser Ala Thr Leu
 435 440 445

Ala Tyr Arg Trp Asp Cys Ser Asp Tyr Glu Asp Thr Glu Glu Arg Pro
 450 455 460

Arg Pro Gln Phe Ala Ala Ser Ala Pro Met Thr Ala Pro Asn Pro Ile
 465 470 475 480

Thr Gly Glu Asp Glu Pro Tyr Phe Pro Glu Arg Ser Arg Ala Arg Arg
 485 490 495

Met Leu Ala Gly Ser Val Val Ile Val Val Met Val Ala Val Val Val
 500 505 510

Met Cys Leu Val Ser Ile Ile Leu Tyr Arg Ala Ile Met Ala Ile Val
 515 520 525

Val Ser Arg Ser Gly Asn Thr Leu Leu Ala Ala Trp Ala Ser Arg Ile
 530 535 540

Ala Ser Leu Thr Gly Ser Val Val Asn Leu Val Phe Ile Leu Ile Leu
 545 550 555 560

Ser Lys Ile Tyr Val Ser Leu Ala His Val Leu Thr Arg Trp Glu Met
 565 570 575

His Arg Thr Gln Thr Lys Phe Glu Asp Ala Phe Thr Leu Lys Val Phe
 580 585 590

Ile Phe Gln Phe Val Asn Phe Tyr Ser Ser Pro Val Tyr Ile Ala Phe
 595 600 605

Phe Lys Gly Arg Phe Val Gly Tyr Pro Gly Asn Tyr His Thr Leu Phe

4

Gly Arg Leu Leu Asp Leu Leu Val Pro Asp Ile Pro Glu Ser Val Glu
865 870 875 880

Ile Lys Val Lys Arg Glu Tyr Tyr Leu Ala Lys Gln Ala Leu Ala Glu
885 890 895

Asn Glu Val Leu Phe Gly Thr Asn Gly Thr Lys Asp Glu Gln Pro Lys
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Gly Ser Glu Leu Ser Ser His Trp Thr Pro Phe Thr Val Pro Lys Ala
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Ser Gln Leu Gln Gln
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<213> Artificial Sequence

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<220>
<223> Splice Variant-Novel Gene Expressed in Prostate

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<210> 4
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<220>
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<400> 4

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Val Leu Leu Glu Val Val Pro Asp Val
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<210> 5
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<220>
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<400> 5

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Ala Leu Leu Ser Ala Ser Trp Ala Val

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<210> 6

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<212> PRT

<213> Artificial Sequence

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<223> Splice Variant-Novel Gene Expressed in Prostate

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<210> 7

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Splice Variant-Novel Gene Expressed in Prostate

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Ile Leu Ile Leu Ser Lys Ile Tyr Val

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<210> 8

<211> 9

<212> PRT

<213> Artificial Sequence

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<210> 9

<211> 9

<212> PRT

<213> Artificial Sequence

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<223> Splice Variant-Novel Gene Expressed in Prostate

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Trp Leu Leu Ser Ser Ala Cys Ala Leu

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<210> 10

<211> 9

<212> PRT
<213> Artificial Sequence

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<223> Splice Variant-Novel Gene Expressed in Prostate

<400> 10

Lys Ile Tyr Val Ser Leu Ala His Val
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<210> 11
<211> 25
<212> DNA
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<223> Oligonucleotide primer/probe

<400> 11
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<210> 12
<211> 22
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<223> Oligonucleotide primer/probe

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22